

ANNUAL REPORT  
OF THE  
MEDICAL OFFICER OF HEALTH  
TOGETHER WITH THE REPORT OF THE  
CHIEF SANITARY INSPECTOR  
FOR THE  
BOROUGH OF CREWE  
BY

J. D. INGRAM, M.B., Ch.B., D.P.H.

Medical Officer of Health,  
School Medical Officer, Medical Superintendent of  
Isolation Hospitals,  
Medical Officer in Charge of Maternity and  
Child Welfare.

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1921.

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# BOROUGH OF CREWE.

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## HEALTH COMMITTEE.

1921—1922.

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*Chairman:*

COUNCILLOR J. N. JACKSON.

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*Members:*

HIS WORSHIP THE MAYOR, (COUNC. R. P. T. DARLINGTON).

ALDERMAN W. MICKLEWRIGHT.

„ F. MANNING, J.P.

„ C. R. WOOLDRIDGE, J.P.

COUNCILLOR A. BLOUNT.

COUNCILLOR R. J. MANSFIELD.

„	W. F. BLACK.	„	G. NEILD.
„	W. W. COOKE.	„	G. PARSONS.
„	J. CUMMING.	„	J. PEMBERTON.
„	J. R. GOULDEN, J.P.	„	D. H. RAWLINGS.
„	J. HAULDREN.	„	W. C. WHITE.
„	J. W. JONES.	„	W. TAYLOR.
„	P. TIMPERLEY.	„	S. SHAW.

## MATERNITY & CHILD WELFARE COMMITTEE.

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**1921—1922.**

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*Chairman:*

COUNCILLOR J. N. JACKSON.

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*Members:*

HIS WORSHIP THE MAYOR, (COUNC. R. P. T. DARLINGTON).

ALDERMAN E. R. HILL.

„ F. MANNING, J.P.

„ E. NIXON.

COUNCILLOR W. W. COOKE. MRS. BULLOCK.

„ J. CUMMING. MRS. JERVIS.

„ H. HATTON. MRS. YATES.

„ J. W. JONES. MRS. JONES.

„ J. PEMBERTON. MRS. WARDLE.

„ G. NEILD. MRS. FROST.

„ G. PARSONS. MRS. PARKINSON.

„ W. SAVAGE.

„ W. TAYLOR.

„ W. C. WHITE.

„ J. E. WILSON.

DR. C. WILSON, J.P.

MUNICIPAL BUILDINGS,

CREWE,

1st June, 1922.

*To the Chairman and Members of the Health and of the Maternity  
and Welfare Child Committees.*

LADIES AND GENTLEMEN,

I have the honour to submit for your consideration the Annual Report on the Health Conditions prevailing in the Borough during the year ending December 31st, 1921.

The Ministry of Health have modified considerably the requirements relating to the contents of Annual Reports not only in the interests of economy but also to lessen the time required to prepare them. Under the new arrangements full detailed reports will only be asked for at intervals of not more than 5 years. During the intervening years the reports will be of a more simple character. The Annual Reports for 1919 and 1920 are considered the first of the series of detailed Survey Reports while the present is an Ordinary Report.

#### **Population.**

The population at the time of taking the Census of 1921 is stated in the Preliminary Report to be 46,477; an increase during the 10 years which have elapsed since the last Census of 1517 persons. We are asked to use a population of 47,210 persons, thus making allowance for those away on holidays, etc.

#### **Births.**

The number of births registered during the year was 919, made up of 468 males and 451 females. The birth rate for Crewe was 19·4, while that for England and Wales was 22·4 per 1,000 of the population. The number of births is lower than in 1920 when 1,058 births were registered.

Of the births 21 (15 male and 6 female) were illegitimate, as compared with 41 illegitimate births in 1920.

45 children were stillborn.

### **Deaths.**

The number of deaths registered in the Borough was 469, of which 17 were of persons not ordinarily residing in the town and must therefore be deducted; while the deaths of 67 residents who died outside the Borough must be added.

The total number of deaths thus corrected is 519, composed of 259 males and 260 females. The death rate for Crewe was 10·9, while that for England and Wales was 12·1 per 1,000 of the population. In 1920 the number of deaths was 556.

The chief causes of death are diseases affecting the respiratory and circulatory systems. The number of deaths due to Cancer has fallen this year to 42 as compared with 56 in 1920.

17 deaths were registered as due to violence, amongst which 5 cases of suicide are numbered.

6 deaths occurred of women during or in consequence of child birth, of which 4 were due to sepsis and 2 to other causes.

84 infants under 1 year of age died during the year. The number of deaths with the death rate or Infantile Mortality per 1,000 births for legitimate and illegitimate infants were:—

Legitimate Infants	Deaths	80	...	Infantile Mortality	89
Illegitimate Infants	„	4	...	„	190
Total	...	84	—	—	91

Deaths from non-notifiable infectious diseases were:—Measles, 2 deaths; Whooping Cough, 5 deaths; Diarrhoea and Enteritis (under 2 years of age) 11 deaths.

In all cases the cause of death was certified either by a Medical Practitioner or by the Coroner.

### **Coroner's Inquests.**

In 24 cases the cause of death was determined by an inquest held by the Coroner. In 17 of these cases death was found to be due to Natural Causes, in 6 to Accidents or Negligence, and in 1 to Suicide.

### **Poor Law Relief Statistics.**

Mr. G. H. Atkinson, Clerk to the Poor Law Guardians, has kindly supplied the following information for the half years ending March 31st, 1921, and September 30th, 1921.

		Half year ending	
		March 31st.	September 30th.
<b>Number of indoor poor relieved :—</b>			
Able Bodied ...	...	—	—
Not Able Bodied ...	...	154	159
Insane ...	...	—	3
Children ...	...	42	40
		<hr/>	<hr/>
Total ...	...	196	202
		<hr/>	<hr/>
<b>Vagrants relieved in Work-house</b>			
... ...	...	1733	2711
<b>Number of outdoor poor relieved in the Borough of Crewe</b>			
... ...	...	430	552
Vagrants relieved ...	...	17	9
<b>Cost of outdoor relief in the Borough of Crewe</b>			
... £1779 2s. 4d.		£1903 1s. 1d.	

### **1. General Statistics.**

Area (acres) ...	...	...	...	...	...	2,185
Population (1921) ...	...	...	...	...	...	47,210
Number of inhabited houses (1921) ...	...	...	...	...	...	10,589
Number of families or separate occupiers (1921) ...						
Rateable Value ...	...	...	...	...	...	£176,474
Sum represented by 1d. Rate ...	...	...	...	...	...	£685

## 2. Extracts from Vital Statistics of the Year.

	Total.	M.	F.	
Births { Legitimate ...	898	453	445	Birth Rate
{ Illegitimate ...	21	15	6	19.4 (R.G.)

Deaths ... ... ... 519 259 260 Death Rate 11 (R.G.)

Number of women dying in, or in consequence of, childbirth ... { from sepsis 4.  
from other causes 2.

Deaths of infants under one year of age per 1,000 births:—  
    Legitimate 80     Illegitimate 4     Total 84

Deaths from Measles (all ages) ... ... ... ...	2
,,    ,, Whooping Cough (all ages) ... ... ...	5
,,    ,, Diarrhoea (under 2 years of age) ... ...	11

## Notifiable Diseases during the Year.

Disease.	Total cases Notified.	Cases Admitted to Hospital.	Total Deaths.
Diphtheria ... ... ... ...	76	74	1
Scarlet Fever ... ... ... ...	224	195	1
Enteric Fever (including Paratyphoid)	—	—	—
Puerperal Fever ... ... ... ...	4	2	4
Erysipelas ... ... ... ...	9	2	—
Pneumonia ... ... ... ...	8	2	—
Encephalitis Lethargica ... ... ... ...	1	—	—
Tuberculosis:—			
(a) Pulmonary ... { M. ... 24 { F. ... 38 { Total ... 62	7		33
(b) Non-pulmonary { M. ... 15 { F. ... 5 { Total ... 20	—	—	10

**Total Cases under various Age Groups were  
as follows:—**

AGE GROUPS.

DISEASE.	Under 1	1-	2-	3-	4-	5-	10-	15-	20-	35-	45-	65 and over.	TOTAL.
Diphtheria ... ...	—	—	1	5	8	31	19	1	6	5	—	—	76
Scarlet Fever ... ...	3	3	7	7	6	98	56	29	15	—	—	—	224
Enteric Fever ... ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Fever ... ...	—	—	—	—	—	—	—	—	3	1	—	—	4
Erysipelas ... ...	—	—	—	—	—	—	—	—	—	—	8	1	9
Pneumonia ... ...	—	—	—	—	—	1	—	—	3	3	1	—	8
Encephalitis Lethargica ...	—	—	—	—	—	—	—	—	—	—	1	—	1
Pulmonary Tuberculosis { M. ...	—	—	—	1	—	2	1	1	14	1	4	—	24
F. ...	—	—	—	—	—	5	3	5	16	7	2	—	38
Other forms of Tuberculosis { M. ...	—	—	1	—	—	4	5	—	5	—	—	—	15
F. ...	—	—	—	—	—	1	3	—	1	—	—	—	5

**Age Distribution of the Deaths.**

DISEASE.	Under 1	1-	2-	5-	15-	25-	45-	65-	75-	Total.
Diphtheria ... ...	—	—	—	1	—	—	—	—	—	1
Scarlet Fever ... ...	—	—	—	1	—	—	—	—	—	1
Enteric Fever ... ...	—	—	—	—	—	—	—	—	—	—
Puerperal Fever ... ...	—	—	1	—	—	1	3	—	—	4
Erysipelas ... ...	—	—	—	—	—	—	—	—	—	—
Pneumonia ... ...	11	7	2	3	1	4	8	1	3	40
Encephalitis Lethargica ...	—	—	—	—	—	—	—	—	—	—
Pulmonary Tuberculosis ...	—	—	—	1	5	15	12	—	—	33
Other Forms of Tuberculosis...	1	—	—	4	4	1	—	—	—	10

### Ophthalmia Neonatorum.

Ophthalmia Neonatorum.	Notified.	Cases Treated.		Vision Unimpaired.	Vision Impaired.	Total Blindness.	Deaths.
		At Home.	In Hospital.				
7	7	6	1	7	-	-	-

### Notification.

Notification of the acute infection is promptly and completely carried out. In the case of tuberculosis the conditions are different; we have here a disease of very insidious onset in the majority of cases and frequently only a suspicion of tuberculosis is entertained for some time before the diagnosis is actually made. As a result notification is apt to be overlooked. Another cause which leads to great delay in notification is the reluctance some patients have to consulting a doctor; they fear they are consumptive but dread having this fear confirmed and postpone obtaining advice until it is too late.

Of the 62 cases of Pulmonary Tuberculosis notified during the year, 7 died within one month of notification and 18 within 6 months, while 2 were notified after death. The unnotified deaths amount to 6% of the total deaths from tuberculosis.

### Maternity and Child Welfare.

The Infantile Mortality rate in the Borough for the year 1921 was 91 per 1,000 births, an increase of 6 per 1,000 on the preceding year.

The greater part of the deaths occur in the first month of life, prematurity and congenital defects being the commonest causes of death in this period.

The following table shows the principal causes of death in infants under 1 year of age expressed as ratios per 1,000 living births.

Disease.	Average 1893-1900	Average 1901-1910	Average 1911-1920	1921
Whooping Cough ... ... ...	5·6	4·9	3·2	1·1
Diarrhoeal Diseases ... ... ...	29·3	19·1	13·2	9·7
Prematurity ... ... ...	16·7	19·6	22·9	30·4
Atrophy, Debility and Marasmus ..	26·3	25·4	11·1	13·1
Congenital Defects ... ... ...	2·1	4·2	8·2	8·7
Tuberculosis ... ... ...	11·1	10·6	1·9	1·1
Convulsions ... ... ...	11·4	7·2	4·6	5·4
Bronchitis and Pneumonia ...	31·4	23·6	17·4	15·2
Other Causes ... ... ...	19·1	16·2	14·2	5·4

#### Notification of Births.

During the year 929 births were notified and 10 were ascertained from other sources of information, giving a total number of 939 births, or 20 more than were registered.

#### Work of the Health Visitors.

The following figures are extracted from reports relating to Infant Welfare submitted by Nurse Rouen and Nurse Manley.

No. of Legitimate Infants visited	832.	Number of visits made	2441
„ „ Illegitimate „ „ „	16.	„ „ „ „ „	117
„ „ Stillbirth enquiries ...	44.		
„ „ Visits made to children from 1-5 years of age ...			1268
„ „ „ „ „ antenatal cases ... ... ...			115

**Method of Feeding at the time of first visits.**

Breast entirely 725. Breast partly 12. Artificial feeding 108.

In the case of those fed artificially the foods were Cow's Milk 54; Glaxo 24; Other foods 30.

Of the 832 infants visited, 166 were found to be sleeping alone, a percentage of 19.9. It is very satisfactory to note that this percentage is gradually increasing, the percentages in previous years were 1920, 12.9; 1919, 7.2; 1918, 4.7.

**Infant Welfare Centres.**

During the year 776 mothers attended the Centres and paid in all 4,961 visits.

Many gifts of new and cast off clothing have been made by ladies interested in the work, and this clothing has been cut down and utilised for the benefit of the poor mothers and babies.

On November 15th a Sewing Class for the mothers was commenced and was attended by an average of 6 mothers. The sewing class is held fortnightly, with the object of teaching mothers to cut out and make hygiene clothing on the most economical lines. Mrs. Carmichael, one of the voluntary workers, in particular has rendered most valuable assistance at this class.

Bags containing a complete set of baby clothes have been and are being made. These are lent out to poor mothers for a period of 6 weeks. The first bag was completed and lent out towards the end of the year.

**Milk (Mothers and Children) Order 1918.**

Under this Order 115 families were supplied with 4,304 gallons, 1 quart, 1 pint of milk. 106 families were supplied with 2,623 gallons, 1 quart, 1 pint of milk free of charge, and 9 families with 1,681 gallons milk at half cost.

### **Voluntary Workers.**

Great assistance in the work of carrying on the Centres has been rendered by the voluntary workers, the greater number of whom are members of the Crewe Nursing Division of the St. John Ambulance Brigade.

### **Summary of Nursing Arrangements, Hospitals, and other Institutions available for the District.**

#### **Professional Nursing in the Home.**

*For Infectious Cases.*—No provision is made except during epidemic periods when the voluntary services of the members of the St. John Ambulance Brigade are given to assist in home nursing.

*For Non-Infectious Cases.*—Two nurses are maintained by the Webb Nursing Institute to assist the sick poor.

#### **Midwives.**

The midwives are under the control of the County Council and 14 practice in Crewe. During 1921 the fees of general practitioners called in to attend confinements in the Borough were paid by the County Council in 30 cases.

#### **Clinics and Treatment Centres.**

##### **A. PROVIDED BY THE TOWN COUNCIL.**

###### **1. Maternity and Child Welfare Consultation Centres:—**

(a) Old Railway Hospital, Lyon Street. Accommodation, 3 rooms:—a large waiting room, weighing room and doctor's room. Open on Thursday afternoons 2-30 to 4-30 p.m.

(b) St. John's Church Room, Stalbridge Road. Accommodation, 2 rooms:—a large waiting room and a small room which is used as weighing room and doctor's room. Open Monday afternoons from 2.30 to 4.30 p.m.

There is no Treatment Centre in connection with Maternity and Child Welfare work.

## 2. School Clinics :—

- (a) Refraction Clinic, Old Railway Hospital, Lyon Street. Hours : Tuesdays and Fridays, 2 p.m. to 5 p.m.
- (b) Minor Ailment and Inspection Clinic, Old Railway Hospital, Lyon Street. Each morning 9 to 10 a.m.
- (c) Dental Clinic, Cobden Street. Wednesday and Friday.

**B. PROVIDED BY THE COUNTY COUNCIL.**

Tuberculosis Dispensary, 1, Gatefield Street.

**Hospitals.**

**TUBERCULOSIS.**—An open-air Shelter with two beds at the Isolation Hospital has been approved for the treatment of adult males.

**MATERNITY.**—The Borough Maternity Home, Linden Grange, Hungerford Avenue. Accommodation, two 4-bedded wards and one 1-bedded isolation ward.

**FEVER.**—The Borough Isolation Hospital, Middlewich Street. Accommodation, Scarlet Fever, 1 block of two wards with two side wards, containing 16 beds. A similar block with 12 beds for Diphtheria. One block with two wards containing 10 beds for Enteric Fever. One Observation block with two single bedded wards.

**SMALL-POX**—The Borough Small-pox Hospital, Pym's Lane. A hut containing two double-bedded wards.

**OTHER HOSPITALS, ETC., IN THE BOROUGH.—**

L. & N. W. Rly. Co.'s Hospital, Mill Street.  
 Nursing Home, Ruskin Road.  
 Cottage Hospital, Victoria Avenue.  
 The Webb Orphanage, Victoria Avenue.

**AMBULANCE FACILITIES:—**

*Infectious Cases.*—Isolation Hospital Ambulance (horse).

*Non-Infectious and Accident Cases.*—The Borough Ambulance (horse).

The Red Cross and Order of St. John Motor Ambulance, which is worked by the members of the St. John Ambulance Brigade.

**Laboratory Work.**

**THE MUNICIPAL LABORATORY.**

		Positive.	Negative.	Total.
Diphtheria swabs...	...	152	382	534
Sputum for Tubercle Bacilli		3	33	36
Hairs for Ringworm	...	9	—	9

**CLINICAL RESEARCH LABORATORY.**

Diphtheria swabs—one specimen, negative.

**CHESHIRE COUNTY LABORATORY, CHESTER.**

	Positive.	Negative.	Total.
Sputum for Tubercle Bacilli	26	129	155

**PUBLIC HEALTH LABORATORY, MANCHESTER UNIVERSITY.**

Blood (Enteric Fever)—One specimen, negative.

The Cheshire County Council have made provision for the examination of blood in cases of Syphilis.

**Diphtheria Antitoxin.**

Diphtheria Antitoxin is available for use in all cases, whether treated at home or at the Isolation Hospital. During 1921, 31 vials containing a total dosage of 98,000 units were supplied to the General Practitioners of the town.

**Adoptive Acts, Byelaws, etc., in force in the Borough.**

**Acts.**

Infectious Diseases (Prevention) Act, 1890, adopted January, 1891.

Public Health Acts (Amendment) Act, 1890, adopted February, 1891.

Infectious Diseases (Notification) Act, 1889, adopted October, 1896.

Public Health Acts (Amendment) Act, 1907.

Part II, except Sections 21, 26.

Part III, except Section 37.

Parts IV, V, VI.

Part X, Section 95.

The Notification of Births Act, 1907, adopted October, 1913.

**Byelaws, relating to**

Slaughterhouses, December, 1878.

Cleansing of footways and pavements, December, 1878.

Nuisances, December, 1879 ; amended October, 1901.

Houses let in lodgings, April, 1882.

Tripe Boiler, April, 1883.

Gut Scraper, November, 1894.

Tents, Vans and Sheds, October, 1898.

Common Lodging Houses, January, 1899.

Dairies, Cowsheds and Milkshops, June, 1899.

New Buildings, January, 1900.

Prohibition of Spitting, December, 1902.

Covering of Milk Vessels, June, 1906.

Rag and Bone Dealer, September, 1912.

Movable Ashpits, March, 1922.

I have the honour to be,

Ladies and Gentlemen,

Yours faithfully,

J. D. INGRAM,

## MINISTRY OF HEALTH.

Causes of, and Ages at, Death during 1921.

CAUSES OF DEATH.	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.											Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District.
	All Ages.	Under 1 year.	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards.	11	11	
1	2	3	4	5	6	7	8	9	10	11	11	11
All Causes	Certified	519	84	12	6	17	25	71	138	166	24	24
	Uncertified	...	...	...	...	...	...	...	...	...	...	...
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	1	1	1	1	1	1	1	1	1	1	1	1
Scarlet Fever ...	1	1	1	1	1	1	1	1	1	1	1	1
Whooping Cough ...	6	1	2	1	2	1	1	1	1	1	1	1
Diphtheria and Croup ...	1	1	1	1	1	1	1	1	1	1	1	2
Influenza ...	9	1	1	1	1	1	1	1	1	1	1	1
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis) ...	33	...	...	...	1	5	15	12	...	...	...	2
Tuberculous Meningitis ...	3	...	...	...	2	1	...	...	...	...	...	...
Other Tuberculous Diseases ...	7	1	1	1	2	3	1	1	1	1	1	1
Cancer, Malignant Disease ...	42	...	...	...	...	...	4	25	13	...	...	...
Rheumatic Fever ...	2	1	1	1	1	1	1	1	1	1	1	1
Meningitis ...	2	1	1	1	1	1	1	1	1	1	1	1
Organic Heart Disease ...	66	...	...	...	...	2	8	24	32	1	1	1
Bronchitis ...	38	3	1	1	1	1	2	11	21	...	...	...
Pneumonia (all forms) ...	40	11	7	2	3	1	4	8	4	1	1	1
Other Diseases of Respiratory Organs ...	14	...	...	...	...	2	2	8	2	2	1	1
Diarrhoea and Enteritis ...	17	9	2	1	1	1	4	1	1	1	1	2
Appendicitis & Typhlitis ...	...	...	...	...	...	...	1	1	1	1	1	1
Cirrhosis of Liver ...	5	...	...	...	...	...	2	2	2	1	1	1
Alcoholism ...	...	...	...	...	...	...	...	...	...	...	...	...
Nephritis and Bright's Disease ...	7	...	...	...	1	1	1	3	1	1	1	1
Other Accidents and Diseases of Pregnancy and Parturition ...	6	...	...	...	...	2	4	...	...	...	...	...
Congenital Debility and Malformation, including Premature Birth ...	40	40	...	...	...	...	...	...	...	...	...	1
Violent Deaths, excluding Suicide ...	12	3	...	2	...	2	1	4	...	...	...	3
Suicide ...	5	...	...	...	...	...	2	3	...	...	...	...
Other Defined Diseases ...	162	15	...	1	3	5	16	33	89	10	10	10
Diseases ill-defined or unknown ...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	519	84	12	6	17	25	71	138	166	24	24	24
Sub-Entries included in above figures.	28 (a) Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...
	* Lobar Pneumonia ...	8	...	...	...	1	2	4	1	1	1	1
	* Pneumonia (type undefined)	12	3	2	2	...	1	2	2	2	2	2

\* Sub-Entries should here be made for other deaths which it is desirable to distinguish, on account of their administrative importance or special interest (e.g., any deaths from Anthrax, Typhus or Glanders, which have been included under 28, Other Defined Diseases; or deaths from Pneumonia other than Broncho-Pneumonia which have been included under 17, Pneumonia all forms).

## Sanitary Inspection of District.

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### Annual Report of the Chief Sanitary Inspector and Cleansing Superintendent.

*To the Chairman and Members of the Health Committee.*

GENTLEMEN,

The following is the report on the work of the Sanitary Department for the year 1921.

#### Sanitary Arrangements.

The following table gives approximately the number and the kinds of closet accommodation in the town at the end of the years 1918, 1919, 1920 and 1921.

		1918	1919	1920	1921
Water-closets	...	7,598	7,758	7,833	7,908
Waste Water-closets...	...	1,002	1,002	1,002	1,002
Pail Closets	...	2,911	2,787	2,787	2,782
Covered Privy Middens	...	114	106	102	101
Total	..	11,625	11,653	11,724	11,793

The table to follow indicates the character of the work carried out during the year. The cost of transport and labour is given in detail, and the records for previous years are added for comparison. The refuse is deposited at the various tips in the town.

#### Trade Refuse.

A weekly collection of trade refuse has been inaugurated and a charge made sufficient only to cover the cost of collection, nothing being added for establishment charges. The amount received is shown in the following table.

1918.	1919.	1920.	1921.
£50 3s 8d.	£75 0s. 9d.	£113 16s. 11d.	£196 1s. 8d.

**General Remarks.****Refuse Removal.**

On referring to the table given it will be noticed that the amount of refuse removed during the year is 2,286 loads more than in 1920.

Taking the number of houses in the Borough as being 10,647, the amount collected from each house is  $26\frac{3}{4}$  ewts. As mentioned in previous reports this is a very high figure and could well be reduced if householders would only co-operate in the matter.

During the past year a bye-law has been passed requiring the provision of properly galvanised iron dustbins, thus prohibiting the installation of wooden tubs. This bye-law will be of great assistance in the proper storage of refuse and in the collection of same.

**Dustbins v Ashpits.**

It is not possible to over emphasize the advantages gained by the use of the former in preference to the latter, as from every point of view there is no comparison between the two. During the period under review there have been very few definite complaints made in respect of either the collection of nightsoil, household or trade refuse. The few complaints that have been made, along with any requests, have received immediate attention.

### Sanitary Inspections.

The following is a Tabular Statement of the work carried out by the department for the year ending 31st December, 1921 :—

<b>A</b> Number and Nature of Inspections Made.	Number.	<b>B</b> Number of Notices Served.			<b>C</b> Result of Service of Notice.		
		Statutory.	Informal.	Notices complied with.	Remaining in hand.	Instituted.	Pend- ing.
1. Dwelling Houses ...	903	69	361	419	11	...	...
2. Back-to-Back Houses ...	...	...	...	...	...	...	...
3. Tents, Vans, Sheds, &c.	134	...	...	...	...	...	...
4. Courts, Yards, Passages	54	...	14	14	...	...	...
5. Privy-Middens, Earth or Pail Closets	856	339	749	1,041	47	...	...
6. *House Drainage ...	1,727	10	210	215	5	...	...
7. Ditches, Watercourses, &c. ...	6	...	...	...	...	...	...
8. Offensive Accumulations	72	...	15	15	...	...	...
9. Keeping of Animals ...	31	...	7	7	...	...	...
10. Offensive Trades ...	128	...	6	6	...	...	...
11. (a) Slaughterhouses	1,563	...	48	48	...	...	...
(b) Other Places where Food is produced or sold ...	221	...	...	...	...	...	...
12. Piggeries ...	332	...	...	...	...	...	...
13. (a) Dairies ...	...	...	...	...	...	...	...
(b) Cowsheds ...	46	...	92	92	...	...	...
(c) Milkshops ...	44	...	...	...	...	...	...
14. (a) Factories ...	227	...	7	7	...	...	...
(b) Workshops ...	97	...	4	4	...	...	...
(c) Workplaces ...	40	...	3	3	...	...	...
(d) Outworkers	34	...	...	...	...	...	...
15. Bakchouses ...	138	...	10	10	...	...	...
16. Common Lodging Houses ...	320	...	14	14	...	...	...
17. Channel Shutes ...	...	...	...	...	...	...	...
18. Smoke Observations ...	...	...	...	...	...	...	...
19. Infectious Diseases In- quiries and Revisits	307	47	119	148	18	...	...
20. Miscellaneous ...	2,187	5	160	164	1	...	...
21. Re-inspections ...	1,176	...	...	...	...	...	...
<b>TOTAL</b>	<b>10,643</b>	<b>470</b>	<b>1,779</b>	<b>2,167</b>	<b>82</b>	...	...
*House Drains Tested—no defects ...	12	...	...	...	...	...	...
House Drains Tested— found defective ...	14	4	14	18	...	...	...
Eaves and Rain-water spouting ...	240	...	35	35	...	...	...
Ventilating Shafts (drains)	4	...	3	3	...	...	...
<b>TOTAL</b>	<b>270</b>	<b>4</b>	<b>52</b>	<b>56</b>	...	...	...

**Slaughter-houses.**

	In 1914.	In January, 1921.	In December, 1921.
Registered ... ...	6	7	7
Licenced ... ...	6	2	2

An up-to-date Public Abbatoir is still a dire necessity which we hope will be provided at no distant date.

**Cowsheds.**

There are 46 in the Borough. These are frequently inspected and the limewashing of the same strictly enforced, but cowkeepers should exercise greater care in order to ensure a cleaner milk supply.

**Dairies and Milkshops.**

A fairly high standard of cleanliness is maintained in the dairies and milkshops, the number being 28.

**Disinfection.**

During the year the following premises were disinfected :—

Houses, 343.

Schools, 3.

The following articles were destroyed by request of the owners :—

8 Beds.

6 Mattresses.

18 Pillows.

2 Bolsters.

### **Cinemas and Theatres.**

There are 5 Cinemas and 1 Theatre in the town, this making an increase of 1 Cinema during the year. These receive careful attention.

### **Schools.**

The sanitary conveniences are periodically inspected and proper cleanliness and water supply maintained.

### **Disinfectants.**

The quantities of disinfectants and lime issued and used during the year were:—

Izal ... ... ...	40 gallons.	Disinfectant ...	40 gallons.
Sanitas Fumigators	4 gross.	Sanitary Dry Lime	6 tons.
Izal Powder... ...	1 ton	Formaldehyde ...	2 gallons.
Carbolic Powder ...	2 tons.		

### **Vans and Tents.**

During the year 134 inspections were made, special attention being given to the water supply, sanitary conveniences and general sanitation.

### **Meat and Food Inspections.**

The Sale of Food and Drugs Acts are administered by the County Council to whose Chief Inspector I am indebted for the information, that during the year 102 samples were taken for analysis; of these 50 were milk samples. Proceedings were taken in two cases against the vendors of milk, which was adulterated or not up to the recognised standard of quality. One was fined 10/- and costs, while the other case was dismissed.

**Summary of Meat, etc., Condemned.**

25

DISEASE.	LBS.							TOTAL.
	Beef	Mutton.	Pork.	Sausages	Fish.	Bacon.	Fruit.	
Tuberculosis	... 1562	... ...	... ...	... ...	... ...	... ...	... ...	1562
Bone Taint	... 100	... ...	... 40	... 357	... 30½	... 150	... 14	... ...
Putrefaction	... ...	216 ...	40	357	30½	150	14	2323½
<b>TOTAL.</b>	<b>... 1878</b>	<b>40</b>	<b>357</b>	<b>30½</b>	<b>150</b>	<b>14</b>	<b>1320</b>	<b>38</b>
								<b>3885¾</b>
TONS.		CWTS.		QRS.		LBS.		
1		14			2		21¾	

**Ice Cream Shops.**

The cleanliness of the premises and utensils is rigidly enforced. The source of milk supply being carefully watched.

**Fried Fish Shops.**

Many visits have been made and among a number of other things noted have been the general cleanliness, quality of the fish used and the cooking substance.

— — —

**Contagious Diseases of Animals Acts.**

A brief Summary of the work done is appended.

**Markets.**

Number of Markets held ...	...	...	52
Number of Markets attended ...	...	...	52
Number of Horse Sales attended	...	...	12
Number of Markets disinfected ...	...	...	2

**Swine Fever Order.**

Licences issued ...	...	...	...	...	3,021
Licences received ...	...	...	...	...	31
Animals refused admission to Markets on account of being dirty and unthrifty	...	...	...	...	27

**Sheep Scab Order.**

Declarations received ...	...	...	...	70
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**Foot and Mouth Disease Order.**

Licences issued ...	...	...	...	...	32
Prosecutions (Defendants fined 5/- each)					8

### Petroleum Acts

#### Petrol.

Applications received	...	...	...	12
Licences granted	...	...	...	12
Amount received	...	...	...	£3

#### Carbide of Calcium.

Applications received	...	...	...	11
Licences granted	...	...	...	11
Amount received	...	...	...	£2 15s. 0d.

### Hackney Carriages.

	Number of Licences issued.	Amount received.	Prosecutions.
1920	...	£14 7s. 0d.	2 (Defendants
1921	...	£24 17s. 0d.	fined 10/- each).

### Housing.

The number of housing certificates granted during the year was 69.

The amount of work done under the Housing and Town Planning Acts during the year was as follows :—

Number of notices served	...	...	430
Number of notices complied with	...	...	419

### Rents Restrictions Acts.

The number of inspections made during the year and certificates given is 8.

**Cleansing of Houses after Infectious Disease.**

Notices served	...	...	...	119
Statutory Notices served	...	...	...	47
Notices complied with	...	...	...	148
Outstanding	...	...	...	18

It will be seen that the number of notices outstanding is 18. This is due to the execution of the work not being pressed owing to various causes, such as tenants being in arrears with the rent or the early exchange of houses.

**Shops Act.**

Number of Shops registered	...	...	898
Number of Visits	...	...	100

**Shops (Early Closing) Act.**

Number of visits made	...	...	98
Prosecutions (defendants fined 10/- each)			2

**Factories and Workshops.**

		1920.	1921.
Factories	...	...	92
Workshops	...	...	236

An increase of 1 Workshop (hosier) for 1921.

### 1.—Inspection.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTOR OF NUISANCES.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories ... ... ... (Including Factory Laundries)	227	7	...
Workshops ... ... ... (Including Workshop Laundries)	97	4	...
Workplaces ... ... ... (Other than outworkers' premises included in part III.)	40	3	...
<b>TOTAL ... ... ...</b>	<b>364</b>	<b>14</b>	<b>...</b>

### 2.—Defects Found.

10 cases of want of cleanliness and 4 of defective sanitary accommodation were found. These were all remedied.

### 3.—Home Work.

6 lists were received from makers of wearing apparel relating to 34 home workers. The premises of each outworker were inspected.

#### 4.—Registered Workshops.

Workshops on the Register (S. 131) at the end of the year.	Number.
Bakers and Confectioners ...	38
Dressmakers and Milliners ...	56
Tailors ...	15
Watchmakers and Jewellers ...	7
Tinsmiths ...	4
Cabinetmakers and Joiners ...	13
Bootmakers and Repairers ...	22
Herb Beer Manufacturers and Bottlers ...	3
Artificial Teeth ...	8
Cycle Repairers ...	11
Ice Cream Manufacturers ...	26
Wheelwrights ...	2
Stonemasons ...	3
Picture Framers ...	3
Rag Stores ...	4
Blacksmiths ...	6
Others ...	18
Total number of workshops on Register ...	237

#### 5.—Other Matters.

Class.	Number.
Action taken in matters referred by H. M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5)	7

Your obedient Servant,

H. Y. STAZICKER,

Chief Sanitary Inspector and Cleansing Superintendent.

### Unfit Dwelling-Houses.

#### I.—Inspection.

(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ... ... ... ...	903
(2) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation ... ... ...	69

#### II.—Remedy of Defects without Service of formal Notices.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers ... ... ...	292
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#### III.—Action under Statutory Powers.

##### A. *Proceedings under section 28 of the Housing, Town Planning, &c., Act, 1919.*

(1) Number of dwelling-houses in respect of which notices were served requiring repairs... ...	69
(2) Number of dwelling-houses which were rendered fit:—	
(a) by owners	60
(b) by Local Authority in default of owners	—

##### B. *Proceedings under Public Health Acts ... ... none*

##### C. *Proceedings under sections 17 and 18 of the Housing, Town Planning, &c., Act, 1909 ... none*

### Unhealthy Areas.

Areas represented to the Local authority with a view to Improvement Schemes under (a), Part I., or (b), Part II., of the Act of 1890 ...	none
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